

Title (en)

METHOD AND ARRANGEMENT FOR MEASURING THE JITTER OF PULSE SIGNALS IN DIGITAL TRANSMISSION SYSTEMS

Publication

**EP 0025477 A3 19810527 (DE)**

Application

**EP 80102634 A 19800512**

Priority

DE 2921573 A 19790528

Abstract (en)

[origin: EP0025477A2] 1. Method for measuring the jitter of timing signals in transmission systems of high bit rate employing a jitterfree reference signal, characterised in that a sinusoidal signal having a frequency corresponding to the timing frequency is respectively formed from the timing signal subject to jitter and from the jitter-free reference signal, that both sinusoidal signals are superimposed on one another with the same amplitude, but with such a relative phase shift that the timing signal would be suppressed thereby in the absence of the jitter, and that the remaining residual signal conditioned by the jitter is determined.

IPC 1-7

**G01R 25/00**; **H04B 17/00**

IPC 8 full level

**G01R 25/00** (2006.01); **H04B 17/00** (2006.01); **H04L 1/20** (2006.01); **H04L 25/04** (2006.01)

CPC (source: EP)

**G01R 25/005** (2013.01); **H04L 1/205** (2013.01)

Citation (search report)

- [A] US 4149044 A 19790410 - HEKIMIAN NORRIS C, et al
- SOVIET INVENTIONS ILLUSTRATED, Section R : Electrical Week B25, 1. August 1979 DERWENT PUBLICATION LTD London, J 04, \* SU 621 106 ( ABRAMOV ) \*

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EP0362491A3; US6137283A; US8024140B2; US6263290B1; US6529842B1

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